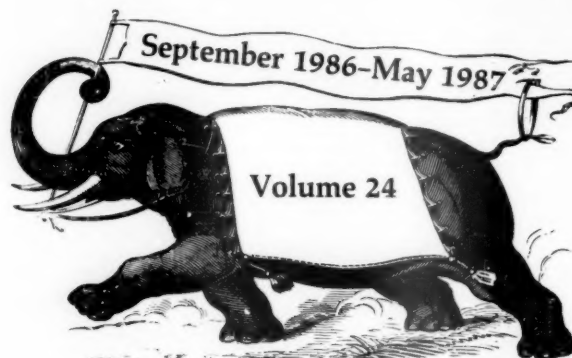


ANNUAL INDEX



AUTHOR INDEX

Abell, Sandra K., Edward L. Pizzini, and Jill A. Vander-Wilt. *Scrape, Scrape, Scrape: Problem Solving in the Lunchroom*. Mar 87:14-15, 43

Batch, D. David. *Evening Skies*. (monthly)

Beisenherz, Paul C. and Stephen C. Blume. *Turning Your Class on to Cohesion*. Apr 87:20-22

Bennett, William J. *Science: An Excerpt from First Lessons*. Jan 87:15, 155

Berkheimer, Glenn and Donald E. Maxwell. *Science Challenge. Olympic Achievement for Your Science Program*. Apr 87:17-19

Blume, Stephen C. and Paul C. Beisenherz. *Turning Your Class on to Cohesion*. Apr 87:20-22

Breit, Frank. *Graphing Is Elementary*. May 87:20-22

Brown, Jerry. (Letters) Jan 87:5

Brunkhorst, Bonnie F. and Michael J. Padilla. *Science Education for Middle and Junior High Students*. (NSTA Position Statement) Nov/Dec 86:62-63

Burns, Joseph C. and Jo D. Cazes. *The Day the Insects Took Over*. (In the Schools) Feb 87:43-45; See Letters May 87:3

Burns, Charlotte, Penny Johnson, and Cathy Laboski. *Tails and Strings and Bright Flying Things*. Mar 87:20-22

Butler, Venetia R. and Ellen M. Roach. *Coastal Studies for Primary Grades*. (In the Schools) Oct 86:34-37

Cain, Marilyn Fowler. *What Is a Fair Test? Lessons in Problem Solving*. Nov/Dec 86:8-10

Campbell, Sharon. *A Playful Introduction to Computers*. (Early Childhood) May 87:38-40

Carlson, Kenneth W. *Nature's Warning Hut*. Apr 87:11

Cazes, Jo D. and Joseph C. Burns. *The Day the Insects Took Over*. (In the Schools) Feb 87:43-45; See Letters May 87:3

Clingan, Linda. *STEAM Gives Teachers Some Extra Energy*. Jan 87:22-25

Coble, Charles R. and Gregory K. McCall. *Centering on Fossils and Dinosaurs*. Oct 86:28-30, 50-51

Cross, Burnett. *A Different Angle*. Nov/Dec 21-22

Darlington, Elizabeth Day. *Look Out! It's Poison Ivy!* Sept 86:10-15

De Vito, Alfred. *Increasing Students' Oral Participation Through Dilemma Analysis*. Apr 87:8-10

Dickie, Sue and Stan Percival. *The Break-In at Skool-Kem: Forensic Science for Fifth and Sixth Graders*. Sept 86:20-23

Dille, John E. and Heidi Köerfer. *Fiddling Around with*

Fiddlers. Feb 87:16-17

Dunkleberger, Gary and Brian L. Lockard. *Beyond the Grocery Store*. May 87:14-16

Elliott, David L. and Kathleen Carter Nagel. *School Science and the Pursuit of Knowledge—Deadends and All*. May 87:9-12

Ensminger, Doris R. (Letters) Nov/Dec 86:5

Exline, Joseph D. and Stephen W. Tonelson. *Virginia's Science Education Program Assessment Model Resource Guide*. Jan 87:71-75

Fehrer, Elsa and Karen Rice. *Shadow Shapes*. Oct 86:6-9

Finley, Mary. *Magnetic Fishing*. May 87:12

Fort, Deborah C. *Ten Hard, Dirty, Wonderful Years*. (In the Schools) May 87:41-43

Frank, Jim. *Learning to Use Compound Microscopes*. Feb 87:15

Gianelloni, Marcelle. *Close Encounters of the Wildest Kind*. (Early Childhood) March 87:37-38

Gozzi, Joan Daniels. *Spring Poms*. May 87:23

Granderson, S. Irving. *The Pinhole Camera Revisited*. Feb 87:6-8

Gwynn, Loleta and Marcia Reece. *Turkey Poster Activities*. Nov/Dec 86:27-30

Harbster, David (Letters) Nov/Dec 86:5; (Eureka!) Feb 87:47; (Letters) May 87:3

Hermann, Carolyn. *The Perfect Mix: Science and Myth*. May 87:26-27

Hounshell, Paul B. *Elementary Science Specialists? Definitely!*

Swartz, Clifford E. *We Know Better...* Jan 87:20-21, 157

Hunter, Beverly and Richard McLeod. *The Data Base in the Laboratory*. Jan 87:28-30, 155

Jacobson, Kathy and W. Van Scheik. *Bitten by Biology*. Apr 87:6-7

Jenness, Mark. *Schoolyard Hikes*. Mar 87:23-25

Johnson, David W. and Roger T. Johnson. *Action Research: Cooperative Learning in the Science Classroom*. (What Research Says) Oct 86:31-32

Johnson, Penny, Charlotte Burns, and Cathy Laboski. *Tails and Strings and Bright Flying Things*. Mar 87:20-22

Johnson, Roger T. and David W. Johnson. *Action Research: Cooperative Learning in the Science Classroom*. (What Research Says) Oct 86:31-32

Kellogg, Theodore. *Science and State Assessment Programs*. Apr 87:23-29

Kepler, Lynne. *We Love Science Day* (includes "Science Activities Calendar") (In the Schools) Sept 86:30-43

Kesling, Mark D. *Up in the Air with Bernoulli*. Jan 87:26-27

Kibbey, Betty R. *Twister in a Bottle*. May 87:13

Kimmel, Howard (Letters) May 87:3

Köerfer, Heidi and John E. Dille. *Fiddling Around with*

Fiddlers. Feb 87:16-17

Kramer, David C. *Cryptozoa*. (The Classroom Animal) Mar 87:34-36; *Daphnia*. (The Classroom Animal) Apr 87:30-31; *Praying Mantises*. (The Classroom Animal) Sept 86:46-47; *Snapping Turtles*. (The Classroom Animal) Feb 87:22-24 *Walking Sticks*. (The Classroom Animal) Nov/Dec 86:31-33; (Letters) Nov/Dec 86:5;

Laboski, Cathy, Charlotte Burns, and Penny Johnson. *Tails and Strings and Bright Flying Things*. Mar 87:20-22

Laminack, Lester. *Mr. T Leads the Class: The Language Experience Approach and Science*. Feb 87:41-42

Lehman, Jeffrey R. and Raymond O'Connell. *The Inexhaustible Apple*. (Early Childhood) Oct 86:40-41

Liebold, Mary. *A Nation Prepared? The Carnegie Forum and NSTA Have Some Suggestions*. Oct 86:13-14, 51

Lind, Karen K. *The Birds' Christmas*. (Early Childhood) Nov/Dec 86:34-35

Lockard, Brian L. and Gary Dunkleberger. *Beyond the Grocery Store*. May 87:14-16

Lord, Thomas R. *Right-Handed and Left-Footed?* Oct 86:22-25

Luke, Michael. *Trying Your Hand at a Handmade Camera*. Feb 87:9-12

Manch, Raimie H. *Dissection for Young Children*. Oct 86:20-21

Mandel, Sheldon L. (Letters) Jan 87:5

Marames, Kristine. *Earth in Space: A Science Teach-In*. (In the Schools) Nov/Dec 86:36-38

Marcuccio, Phyllis R. *Forty-Five Years of Elementary School Science: A Guided Tour*. Jan 87:12-14, 156

Masters, Eileen (Letters) May 87:3

Mattingly, Rosanna. *From Root to Fruit: Botany for Beginners*. Feb 87:18-21

Maxwell, Donald E. and Glenn Berkheimer. *Science Challenge. Olympic Achievement for Your Science Program*. Apr 87:17-19

McCall, Gregory K. and Charles R. Coble. *Centering on Fossils and Dinosaurs*. Oct 86:28-30, 50-51

McDonald, Charlotte J. *Do Worms Have Feelings Too? Exploring Worm Sensitivity*. Mar 87:8-10

McGuire, Daniel C. *Project Worm Bin*. Feb 87:11-12

McLeod, Richard and Beverly Hunter. *The Data Base in the Laboratory*. Jan 87:28-30, 155

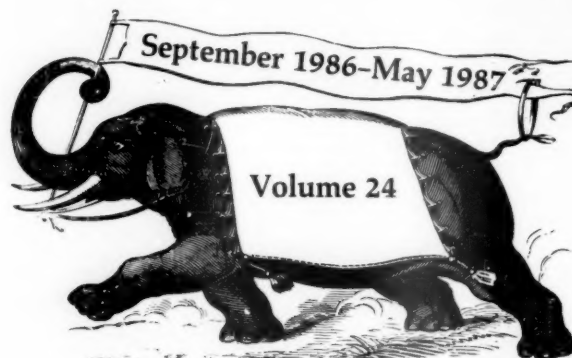
McQuade, Finlay. *Interdisciplinary Contours: Art, Earth Science, and Logo*. Sept 86:25-27, 85

Meissner, Donald. *Flipping Over Flash Pads*. Feb 87:13-14

Miller, Robert D., Jenny L. Pon, and Robert C. Victor. *Sky Calendar*. (monthly)

Milson, James L. *Flying High with Tetrahedrons*. Mar 87:16-19; *Tin Can Racer Derby*. Oct 86:17-19

ANNUAL INDEX



AUTHOR INDEX

Abell, Sandra K., Edward L. Pizzini, and Jill A. Vander-Wilt. *Scrape, Scrape, Scrape: Problem Solving in the Lunchroom*. Mar 87:14-15, 43

Batch, D. David. *Evening Skies*. (monthly)

Beisenherz, Paul C. and Stephen C. Blume. *Turning Your Class on to Cohesion*. Apr 87:20-22

Bennett, William J. *Science: An Excerpt from First Lessons*. Jan 87:15, 155

Berkheimer, Glenn and Donald E. Maxwell. *Science Challenge. Olympic Achievement for Your Science Program*. Apr 87:17-19

Blume, Stephen C. and Paul C. Beisenherz. *Turning Your Class on to Cohesion*. Apr 87:20-22

Breit, Frank. *Graphing Is Elementary*. May 87:20-22

Brown, Jerry. (Letters) Jan 87:5

Brunkhorst, Bonnie F. and Michael J. Padilla. *Science Education for Middle and Junior High Students*. (NSTA Position Statement) Nov/Dec 86:62-63

Burns, Joseph C. and Jo D. Cazes. *The Day the Insects Took Over*. (In the Schools) Feb 87:43-45; See Letters May 87:3

Burns, Charlotte, Penny Johnson, and Cathy Laboski. *Tails and Strings and Bright Flying Things*. Mar 87:20-22

Butler, Venetia R. and Ellen M. Roach. *Coastal Studies for Primary Grades*. (In the Schools) Oct 86:34-37

Cain, Marilyn Fowler. *What Is a Fair Test? Lessons in Problem Solving*. Nov/Dec 86:8-10

Campbell, Sharon. *A Playful Introduction to Computers*. (Early Childhood) May 87:38-40

Carlson, Kenneth W. *Nature's Warning Hut*. Apr 87:11

Cazes, Jo D. and Joseph C. Burns. *The Day the Insects Took Over*. (In the Schools) Feb 87:43-45; See Letters May 87:3

Clingan, Linda. *STEAM Gives Teachers Some Extra Energy*. Jan 87:22-25

Coble, Charles R. and Gregory K. McCall. *Centering on Fossils and Dinosaurs*. Oct 86:28-30, 50-51

Cross, Burnett. *A Different Angle*. Nov/Dec 21-22

Darlington, Elizabeth Day. *Look Out! It's Poison Ivy!* Sept 86:10-15

De Vito, Alfred. *Increasing Students' Oral Participation Through Dilemma Analysis*. Apr 87:8-10

Dickie, Sue and Stan Percival. *The Break-In at Skool-Kem: Forensic Science for Fifth and Sixth Graders*. Sept 86:20-23

Dille, John E. and Heidi Köerfer. *Fiddling Around with*

Fiddlers. Feb 87:16-17

Dunkleberger, Gary and Brian L. Lockard. *Beyond the Grocery Store*. May 87:14-16

Elliott, David L. and Kathleen Carter Nagel. *School Science and the Pursuit of Knowledge—Deadends and All*. May 87:9-12

Ensminger, Doris R. (Letters) Nov/Dec 86:5

Exline, Joseph D. and Stephen W. Tonelson. *Virginia's Science Education Program Assessment Model Resource Guide*. Jan 87:71-75

Fehrer, Elsa and Karen Rice. *Shadow Shapes*. Oct 86:6-9

Finley, Mary. *Magnetic Fishing*. May 87:12

Fort, Deborah C. *Ten Hard, Dirty, Wonderful Years*. (In the Schools) May 87:41-43

Frank, Jim. *Learning to Use Compound Microscopes*. Feb 87:15

Gianelloni, Marcelle. *Close Encounters of the Wildest Kind*. (Early Childhood) March 87:37-38

Gozzi, Joan Daniels. *Spring Poms*. May 87:23

Granderson, S. Irving. *The Pinhole Camera Revisited*. Feb 87:6-8

Gwynn, Loleta and Marcia Reece. *Turkey Poster Activities*. Nov/Dec 86:27-30

Harbster, David (Letters) Nov/Dec 86:5; (Eureka!) Feb 87:47; (Letters) May 87:3

Hermann, Carolyn. *The Perfect Mix: Science and Myth*. May 87:26-27

Hounshell, Paul B. *Elementary Science Specialists? Definitely!*

Swartz, Clifford E. *We Know Better...* Jan 87:20-21, 157

Hunter, Beverly and Richard McLeod. *The Data Base in the Laboratory*. Jan 87:28-30, 155

Jacobson, Kathy and W. Van Scheik. *Bitten by Biology*. Apr 87:6-7

Jenness, Mark. *Schoolyard Hikes*. Mar 87:23-25

Johnson, David W. and Roger T. Johnson. *Action Research: Cooperative Learning in the Science Classroom*. (What Research Says) Oct 86:31-32

Johnson, Penny, Charlotte Burns, and Cathy Laboski. *Tails and Strings and Bright Flying Things*. Mar 87:20-22

Johnson, Roger T. and David W. Johnson. *Action Research: Cooperative Learning in the Science Classroom*. (What Research Says) Oct 86:31-32

Kellogg, Theodore. *Science and State Assessment Programs*. Apr 87:23-29

Kepler, Lynne. *We Love Science Day* (includes "Science Activities Calendar") (In the Schools) Sept 86:30-43

Kesling, Mark D. *Up in the Air with Bernoulli*. Jan 87:26-27

Kibbey, Betty R. *Twister in a Bottle*. May 87:13

Kimmel, Howard (Letters) May 87:3

Köerfer, Heidi and John E. Dille. *Fiddling Around with*

Fiddlers. Feb 87:16-17

Kramer, David C. *Cryptozoa*. (The Classroom Animal) Mar 87:34-36; *Daphnia*. (The Classroom Animal) Apr 87:30-31; *Praying Mantises*. (The Classroom Animal) Sept 86:46-47; *Snapping Turtles*. (The Classroom Animal) Feb 87:22-24 *Walking Sticks*. (The Classroom Animal) Nov/Dec 86:31-33; (Letters) Nov/Dec 86:5;

Laboski, Cathy, Charlotte Burns, and Penny Johnson. *Tails and Strings and Bright Flying Things*. Mar 87:20-22

Laminack, Lester. *Mr. T Leads the Class: The Language Experience Approach and Science*. Feb 87:41-42

Lehman, Jeffrey R. and Raymond O'Connell. *The Inexhaustible Apple*. (Early Childhood) Oct 86:40-41

Liebold, Mary. *A Nation Prepared? The Carnegie Forum and NSTA Have Some Suggestions*. Oct 86:13-14, 51

Lind, Karen K. *The Birds' Christmas*. (Early Childhood) Nov/Dec 86:34-35

Lockard, Brian L. and Gary Dunkleberger. *Beyond the Grocery Store*. May 87:14-16

Lord, Thomas R. *Right-Handed and Left-Footed?* Oct 86:22-25

Luke, Michael. *Trying Your Hand at a Handmade Camera*. Feb 87:9-12

Manch, Raimie H. *Dissection for Young Children*. Oct 86:20-21

Mandel, Sheldon L. (Letters) Jan 87:5

Marames, Kristine. *Earth in Space: A Science Teach-In*. (In the Schools) Nov/Dec 86:36-38

Marcuccio, Phyllis R. *Forty-Five Years of Elementary School Science: A Guided Tour*. Jan 87:12-14, 156

Masters, Eileen (Letters) May 87:3

Mattingly, Rosanna. *From Root to Fruit: Botany for Beginners*. Feb 87:18-21

Maxwell, Donald E. and Glenn Berkheimer. *Science Challenge. Olympic Achievement for Your Science Program*. Apr 87:17-19

McCall, Gregory K. and Charles R. Coble. *Centering on Fossils and Dinosaurs*. Oct 86:28-30, 50-51

McDonald, Charlotte J. *Do Worms Have Feelings Too? Exploring Worm Sensitivity*. Mar 87:8-10

McGuire, Daniel C. *Project Worm Bin*. Feb 87:11-12

McLeod, Richard and Beverly Hunter. *The Data Base in the Laboratory*. Jan 87:28-30, 155

McQuade, Finlay. *Interdisciplinary Contours: Art, Earth Science, and Logo*. Sept 86:25-27, 85

Meissner, Donald. *Flipping Over Flash Pads*. Feb 87:13-14

Miller, Robert D., Jenny L. Pon, and Robert C. Victor. *Sky Calendar*. (monthly)

Milson, James L. *Flying High with Tetrahedrons*. Mar 87:16-19; *Tin Can Racer Derby*. Oct 86:17-19

Mruk, Richard L. *Sorting Through Fingerprints*. Sept 86:24
 Nagel, Kathleen Carter and David L. Elliott. *School Science and the Pursuit of Knowledge—Dendents and All*. May 87:9-12
 Nahrstedt, Gary, W. *Adventures with a Hand-Held Generator*. Nov/Dec 86:18-21
 O'Connell, Raymond and Jeffrey R. Lehman. *The Inexhaustible Apple*. (Early Childhood) Oct 86:40-41
 Oakley, John S. *Topless in the Classroom*. (Helpful Hints) Sept 86:50
 Padilla, Michael J. and Bonnie F. Brunkhorst. *Science Education for Middle and Junior High Students*. (NSTA Position Statement) Nov/Dec 86:62-63
 Pampe, William R. *A Hurricane!* Sept 86:16-19, 55
 Paul, Mary Grace Nuckols. *Aristotle to Auto-Focus*. Feb 87:8
 Percival, Stan and Sue Dickie. *The Break-In at Skool-Kem: Forensic Science for Fifth and Sixth Graders*. Sept 86:20-23
 Perea, Pat (Letters) May 87:3
 Pizzini, Edward L., Sandra K. Abell, and Jill A. VanderWilt. *Scrape, Scrape, Scrape: Problem Solving in the Lunchroom*. Mar 87:14-15, 43
 Pon, Jenny L., Robert D. Miller, and Robert C. Victor. *Sky Calendar*. (monthly)
 Presberg, Helen. *Eureka!* Feb 87:47
 Reece, Marcia. *Pointing Out and Disseminating*. Jan 87: 16-19, 156, 158-160
 Reece, Marcia and Loleta Gwynn. *Turkey: Poster Activities*. Nov/Dec 86:27-30
 Rice, Karen and Elsa Feher. *Shadow Shapes*. Oct 86:6-9
 Roach, Ellen M. and Venetia R. Butler. *Coastal Studies for Primary Grades*. (In the Schools) Oct 86:34-37
 Rockcastle, Verne N. *Finding a Sink-in-the-Snow Coefficient*. Nov/Dec 86:14-15
 Rutherford, F. James. *The Character of Elementary School Science*. Jan 87:8-11
 Saltonstall, Sam. *Ship Shape*. Sept 86:48-49
 Schafer, Larry. *Permanent Snowflakes*. Nov/Dec 86:11-13
 Scharf, Amy. *A Gift in the Woods: A Project in Observation, Exploration, and Discovery*. May 87:6-8
 Schwartz, Ivan C. and Maurice L. Schwartz. *From Batteries and Bulbs to High Tech*. Sept 86:28-29
 Schwartz, Maurice L. and Ivan C. Schwartz. *From Batteries and Bulbs to High Tech*. Sept 86:28-29
 Sewall, Susan B. *Scientific Fun and Games*. Oct 86:10-12
 Shaw, Jean M. (Letters) Jan 87:5
 Shrigley, Robert L. *Discrepant Events: Why They Fascinate Students*. May 87:24-25
 Stiles, John. *Snow Tracking: A Way to Beat the Winter Blues*. Nov/Dec 86:16-17
 Strickland, Kay. *Fantasy*. Nov/Dec 86:51-53
 Svatek, Martha. *Improving Children's Herbal Skills*. Apr 87:14-16
 Swartz, Clifford, E. *Elementary Science Specialists? We Know Better...* Paul B. Hounshell. *Definitely!* Jan 87:20-21, 157
 Swindells, E. Dorothy (Notable Quotes) Nov/Dec 86:26
 Therault, Pat. *Eureka!* Oct 86:30
 Tonelson, Stephen W. and Joseph D. Exline. *Virginia's Science Education Program Assessment Model Resource Guide*. Jan 87:71-75
 Townsend, Diana. *A Moving Lesson on the Circulatory System*. Apr 87:12-13
 Van Scheik, W. and Kathy Jacobson. *Bitten by Biology*. Apr 87:6-7
 VanderWilt, Jill A., Sandra K. Abell, and Edward L. Pizzini. *Scrape, Scrape, Scrape: Problem Solving in the Lunchroom*. Mar 87:14-15, 43
 Vaszily, Diane A. *Ziplock Cell Models*. (Helpful Hints) Apr 87:22
 Victor, Robert C., Jenny L. Pon, and Robert D. Miller. *Sky Calendar*. (monthly)
 Ward, Charlotte, R. *Electrifying Parlor Tricks*. Oct 86: 15-16, 51
 Watson, James and Nancy Watson. *A Hands-On Introduction to Microcomputers*. May 87:17-19
 Watson, Nancy and James Watson. *A Hands-On Introduction to Microcomputers*. May 87:17-19
 Weber, Suzanne. *Flashlight Anatomy*. Jan 87:135-138
 Wood, Jacalyn K. *Take a Field Trip Close to Home*. Oct

86:26-27
 Young, John D. *Eureka!* Oct 86:30

SUBJECT INDEX

Activities

Break-In at Skool-Kem: Forensic Science for Fifth and Sixth Graders. The. Sue Dickie and Stan Percival. Sept 86:20-23
Discrepant Events: Why They Fascinate Students. Robert L. Shrigley. May 87:24-25
Find the Animals. Feb 87:51
Flipping Over Flash Pads. Donald Meissner. Feb 87:13-14
Graphing Is Elementary. Frank Breit. May 87:20-22
Increasing Students' Oral Participation Through Dilemma Analysis. Alfred De Vito. Apr 87:8-10
Learning to Use Compound Microscopes. Jim Frank. Feb 87:15
Magnetic Fishing. Mary Finley (Helpful Hints) May 87:12
Mr. T Leads the Class: The Language Experience Approach and Science. Lester Laminack. Feb 87:41-42
Playful Introduction to Computers. A. (Early Childhood) Sharon Campbell. May 87:38-40
Science Challenge: Olympic Achievement for Your Science Program. Donald E. Maxwell and Glenn Berkheimer. Apr 87:17-19
Scientific Fun and Games. Susan B. Sewall. Oct 86:10-12
Ship Shape. Sam Saltonstall. Sept 86:48-49
Sorting Through Fingerprints. Richard L. Mruk. Sept 86:24
Spring Poems. Joan Daniels Gozzi. May 87:23
Turkey: Poster Activities. Marcia Reece and Loleta Gwynn. Nov/Dec 86:27-30
We Love Science Day (includes "Science Activities Calendar"). (In the Schools) Lynne Kepler. Sept 86:30-43

Biology (Environmental and Natural Sciences)

Birds' Christmas, The. (Early Childhood) Karen K. Lind. Nov/Dec 86:34-35
Bitten by Biology. Kathy Jacobson and W. Van Scheik. Apr 87:6-7
Classroom Animal, The. David C. Kramer (most months)
Close Encounters of the Wildest Kind. (Early Childhood) Marcelle Gianelloni. Mar 87:37-38
Coastal Studies for Primary Grades. (In the Schools) Venetia R. Butler and Ellen M. Roach. Oct 86:34-37
Cryptozoa. (The Classroom Animal) David C. Kramer. Mar 87:34-36
Daphnia. (The Classroom Animal) David C. Kramer. Apr 87:30-31
Day the Insects Took Over, The. (In the Schools) Jo D. Cazes and Joseph C. Burns. Feb 87:43-45; See Letters May 87:3
Dissection for Young Children. Raunie H. Manch. Oct 86:20-21
Do Worms Have Feelings Too? Exploring Worm Sensitivity. Charlotte J. McDonald. Mar 87:8-10
Fiddling Around with Fiddlers. Heidi Kiefer and John E. Dille. Feb 87:16-17
Flashlight Anatomy. Suzanne Weber. Jan 87:135-138
From Root to Fruit: Botany for Beginners. Rosanna Mattingly. Feb 87:18-21
Gift in the Woods: A Project in Observation, Exploration, and Discovery. A. Amy Scharf. May 87:6-8
Improving Children's Herbal Skills. Martha Svatek. Apr 87:14-16
Inexhaustible Apple, The. (Early Childhood) Raymond O'Connell and Jeffrey R. Lehman. Oct 86:40-41
Look Out! It's Poison Ivy! Elizabeth Day Darlington. Sept 86:10-15
Moving Lesson on the Circulatory System. A. Diana Townsend. Apr 87:12-13
Nature's Warming Hut. Kenneth W. Carlson. Apr 87:11
Praying Mantises. (The Classroom Animal) David C. Kramer. Sept 86:46-47
Project Worm Bin. Daniel C. McGuire. Mar 87:11-12
Right-Handed and Left-Footed? Thomas R. Lord. Oct 86:22-25
Schoolyard Hikes. Mark Jenness. Mar 87:23-25
Scrape, Scrape, Scrape: Problem Solving in the Lunchroom. Edward L. Pizzini, Sandra K. Abell, and Jill A. VanderWilt. Mar 87:14-15, 43

Snapping Turtles. (The Classroom Animal) David C. Kramer. Feb 87:22-24
Take a Field Trip Close to Home. Jacalyn K. Wood. Oct 86:26-27
Ten Hard, Dirty, Wonderful Years. (In the Schools) Deborah C. Fort. May 87:41-43
Topless in the Classroom. (Helpful Hints) John S. Oakley. Sept 86:50
Walking Sticks. (The Classroom Animal) David C. Kramer. Nov/Dec 86:31-33

Curriculum (Methods, Science Education, Philosophy)

Action Research: Cooperative Learning in the Science Classroom. (What Research Says) Roger T. Johnson and David W. Johnson. Oct 86:31-32
Character of Elementary School Science, The. F. James Rutherford. Jan 87:8-11
Elementary Science Specialists? Definitely! Paul B. Hounshell. *We Know Better...* Clifford E. Swartz. Jan 87:20-21, 157
Every Teacher a Researcher (ETR) Program Registration Form. Oct 86:33
Forty-Five Years of Elementary School Science: A Guided Tour. Phyllis R. Marcuccio. Jan 87:12-14, 156
Hands-On Introduction to Microcomputers. A. James and Nancy Watson. May 87:17-19
Nation Prepared? The Carnegie Forum and NSTA Have Some Suggestions. A. Mary Liepold. Oct 86:13-14, 51
Pointing Out and Disseminating. Marcia Reece. Jan 87: 16-19, 156, 158-160
Science and State Assessment Programs. Theodore M. Kellogg. Apr 87:23-29
Science Education for Middle and Junior High Students. (An NSTA Position Statement) Bonnie F. Brunkhorst and Michael J. Padilla. Nov/Dec 86:62-63
Science: An Excerpt from First Lessons. William J. Bennett. Jan 87:15, 155
Virginia's Science Education Program Assessment Model Resource Guide. Joseph D. Exline and Stephen W. Tonelson. Jan 86:71-75
What Is a Fair Test? Lessons in Problem Solving. Marilyn Fowler Cain. Nov/Dec 86:8-10
What Research Says. Oct 86:31

Earth and Space Science

Centering on Fossils and Dinosaurs. Charles R. Coble and Gregory K. McCall. Oct 86:28-30, 50-51
Earth in Space: A Science Touch-In. (In the Schools) Kristine Marames. Nov/Dec 86:36-38
Evening Skies. D. David Batch. (monthly)
Fantasy. Kay Strickland. Nov/Dec 86:51-53
Hurricane! A. William R. Pampe. Sept 86:16-19, 55
Interdisciplinary Contours: Art, Earth Science, and Logo. Finlay McQuade. Sept 86:25-27, 85
Perfect Mix: Science and Myth, The. Carolyn Hermann. May 87:26-27
Permanent Snowflakes. Larry Schafer. Nov/Dec 86:11-13
Shadow Shapes. Elsa Feher and Karen Rice. Oct 86:6-9
Sky Calendar. Robert C. Victor, Jenny L. Pon, and Robert D. Miller (monthly)
Snow Tracking: A Way to Beat the Winter Blues. John Stiles. Nov/Dec 86:16-17
Space Science Student Involvement Program. (poster, entry form) Nov/Dec 86:39-50
Twister in a Bottle. Betty R. Kibbey. May 87:13

NSTA and CESA News

Association Affairs. (monthly)
Calling All Science Students. May 87:40
Let NSTA Certify You. Oct 86:49; May 87:79
Letters. Nov/Dec 86:5; Jan 87:5; May 87:3
NSTA Awards Program. Sept 86:86-87; May 87:74
NSTA Calendar. (monthly)
NSTA Computer Camp. Jan 87:154; May 87:48
NSTA's Emergency Medical Information Card. Nov/Dec 86: 64-65
NSTA Fall Conventions. Sept 86:78-81; May 87:71-73
NSTA Position Statements. Oct 86:44-45; Nov/Dec 86:62-63

NSTA Publications and Membership Brochure. Sept 86:57-76; May 87:53-68
 NSTA 35th Annual Convention. Oct 86:48; Nov/Dec 86:4, 60-61; Jan 87:148-153; Feb 87:54-61;
 Preschool and Elementary Level Science Education. (NSTA Position Statements) NSTA Board of Directors. Oct 86:44-45
 Science Competitions. (NSTA Position Statements) Oct 86:45

Physics and Chemistry

Adventures with a Hand-Held Generator. Gary W. Nahrstedt. Nov/Dec 86:14-15
 Aristotle to Auto-Focus. Mary Grace Nuckols Paul. Feb 87:8
 Different Angle. A. Burnett Cross. Nov/Dec 86:21-22
 Electrifying Parlor Tricks. Charlotte R. Ward. Oct 86:15-16, 51
 Finding a Sink-in-the-Snow Coefficient. Verne N. Rockcastle. Nov/Dec 86:14-15
 Flying High with Tetrahedrons. James L. Milson. Mar 87:16-19
 From Batteries and Bulbs to High Tech. Maurice L. Schwartz and Ivan C. Schwartz. Sept 86:28-29
 Pinhole Camera Revisited. Th. S. Irving Granderson. Feb 87:6-8
 STEAM Gives Teachers Some Extra Energy. Linda Clingan. Jan 87:22-25
 Tails and Strings and Bright Flying Things. Charlotte Burns, Penny Johnson, and Cathy Laboski. Mar 87:20-22
 Tin Can Racer Derby. James L. Milson. Oct 86:17-19
 Trying Your Hand at a Handmade Camera. Michael Luke. Feb 87:9-12
 Turning Your Class on to Cohesion. Stephen C. Blume and Paul C. Beisenherz. Apr 87:20-22
 Up in the Air with Bernoulli. Mark D. Kesling. Jan 87:26-27

Resources

About the National Gardening Association and "The Magic of Composting." Mar 87:13
 Acid Rain: The Effect on Aquatic Species. (Poster) May 87:29-36
 Ad-ventures. (most months)
 Advertisers Index. (monthly)
 Beyond the Grocery Store. Brian L. Lockard and Gary Dunleberger. May 87:14-16
 Curriculum Reviews. Nov/Dec 86:66-68; Jan 87:161-164
 Data Base in the Laboratory. The Richard McLeod and Beverly Hunter. Jan 87:28-30, 155
 Early Childhood. Oct 86:56; Nov/Dec 86:34-35; Mar 87:37-38; May 87:38-40
 Eureka! Oct 86:30; Feb 87:47
 In the News. (monthly)
 In the Schools. Sept 86:30-43; Oct 86:34-37; Nov/Dec 86:36-38; Feb 87:43-45; May 87:41-43
 National Science and Technology Week. April 5-11, 1987. (poster) National Science Foundation. Feb 87:25
 Notable Quotes. E. Dorothy Swindells. Nov/Dec 86:26
 NSTA Supplement of Science Education Suppliers 1987. Jan 87:31-134
 Outstanding Science Trade Books for Children in 1986. Mar 87:26-33
 Point It Out! May 87:43
 Resources Reviews. Sept 86:88-91; Feb 87:62-63; Apr 87:44-46; May 87:70
 Software Reviews. Stephen Wulfson. Oct 86:38-39; Nov/Dec 86:23-26; Jan 87:139-140; Feb 87:46-47; Mar 87:40-42; Apr 87:33-35; May 87:45-47
 Trade Books in Spanish. Mar 87:46
 Writing for Science and Children. (Writers' guidelines) Sept 86:9

REVIEW INDEX

Curriculum Reviews (reviewer's name)

Education Goes Outdoors. (Miram R. Buckland) Nov/Dec 86:66
 Get Ready, Get Set, Grow! (Stephen C. Blume) May 87:44
 Happy Garden. The. (Frank Day) Nov/Dec 86:66
 Magic School Bus at the Waterworks. The. (Kathryn Lee) May 87:44

Nature Discovery I—"Birds." (Michael L. Bowden) Jan 87:163
 Naturewatch: Exploring Nature with Your Children. (Michael Bowden) Jan 87:161
 Scienceworks: 65 Experiments that Introduce the Fun and Wonder of Science. (Kathryn Lee) May 87:44
 See What Science Is All About. (Joseph L. Accongia) Jan 87:161
 Teaching Children About Science. (Johanna F. Strange) Jan 87:162
 Water Is for Fun: Science Activities for Children. (Ray Shave) Nov/Dec 86:66
 What Works. (Lloyd H. Barrow) Jan 87:161
 Wood Works—Experiments with Common Wood and Tools. (Miram R. Buckland) May 87:44

Resources Reviews (reviewer's name)

Adventures with Atoms and Molecules: Chemistry Experiments for Young People. (Edward Victor) Sept 86:89
 Animal Friends. (W.R. Zeitler) Apr 87:45
 Baby Animals. (W.R. Zeitler) Apr 87:45
 Bats. (Louise Ritsma) Apr 87:44
 Bernstein Bears and Too Much Junk Food. The. (Mary Rivkin) Feb 87:63
 Big and Small. Short and Tall. (David L. Williams) May 87:70
 Breakthrough: The True Story of Penicillin. (Stephen S. Underwood) Apr 87:44
 Chimpanzee, The. The Elephant. The Giraffe. The Lion. (W. R. Zeitler) May 87:70
 Code Busters! (Phyllis Katz) Apr 87:44
 Computer and the Child: A Montessori Approach. The. (Sharon D. Castle) Sept 86:90
 Darwin and the Voyage of the Beagle. (John Heck) Apr 87:44
 Digging Badger. The. (Paul E. Blackwood) Apr 87:45
 Discovering Butterflies. Discovering Trees. (David L. Williams) Apr 87:44
 Discovering Our Universe. (Franklyn M. Branley) Apr 87:45
 Eagles. (Phyllis Katz) Apr 87:44, 46
 Elephants Can't Jump and Other Freaky Facts About Animals. (Phyllis Katz) Apr 87:44
 Experimenting with Plants: Projects for Home Gardens and Classrooms. (John S. Heck) May 87:70
 Fishkeeper's Guide to Marine Fishes. A. (Thomas P. Evans) Apr 87:44
 Flying. (Kathleen Schrock) May 87:70
 Giants of Land, Sea, and Air: Past and Present. (David L. Williams) May 87:70
 Going Underground: All About Caves and Caving. (Charles Coble) Feb 87:63
 Guidebook for Teaching Biology. A. (David C. Kramer) Sept 86:90
 Homes in the Sea: From the Shore to the Deep. Sea Babies: New Life in the Ocean. (Stephen S. Underwood) Apr 87:44
 How to Hide Series: A Polar Bear and Other Animals: A Butterfly and Other Insects: An Octopus and Other Sea Creatures. (Sheila Jasalavich) Sept 86:91
 Instructor's Big Book of Health and Safety. (Louise Ritsma) Sept 86:91
 Jupiter, Saturn. (Edward Victor) Apr 87:45
 Lemurs. (Charles Coble) Sept 86:88
 Loads of Cakes and Secret Ciphers. (Peter Gega) Sept 86:88
 On the Frontiers of Science: Strange Machines You Can Build. (Charles Gale) Apr 87:46
 Pumpkin, Pumpkin. (David L. Williams) May 87:70
 Rancho La Brea: Treasures of the Tar Pits. (Edward Victor) Apr 87:46
 Rattlesnakes. (Charles Coble) Sept 86:91
 River and Canal. (Kathleen Schrock) May 87:70
 River in the Ocean: The Story of the Gulf Stream (and other related books from the Ocean World Library). (Stephen S. Underwood) Apr 87:46
 Satellites of Today and Tomorrow. (Ronald C. Wise) May 87:70
 Saving the Peregrine Falcon. (John R. Pancella) Apr 87:45
 Sea Lions. (John R. Pancella) Apr 87:46
 Shadow Magic. (David L. Williams) Apr 87:45
 Shapes, Shapes, Shapes. (David L. Williams) May 87:70
 Shark Watcher's Guide. A. (Thomas P. Evans) Apr 87:45

Soup Bubble Magic. (Gerard Consuegra) Feb 87:62
 Teaching in the Outdoors. (Joe Howard) Feb 87:62
 Teaching Nature in Cities and Towns. (Charles Gale) Sept 86:90
 Tunnels. (Kathleen Schrock) Apr 87:46
 Warm-Blooded Animals. (Charles S. Neelson) Sept 86:91
 Watching Faces. (Sheila Jasalavich) Sept 86:91
 What Good Is a Tail? (Stephen S. Underwood) Sept 86:89
 What Is It? (David L. Williams) Feb 87:63
 Why Does My Nose Run? (And Other Questions Kids Ask About Their Bodies). (Charles Gale) Apr 87:45
 Why in the World? (Gerald Consuegra) May 87:70
 Wolf Pack: Tracking Wolves in the Wild. (John R. Pancella) Feb 87:62
 Year of Beasts. A. (David L. Williams) May 87:70

Software Reviews (reviewer's name)

Botanical Gardens. (Alan Lipman) Apr 87:33
 Cells and Tissues. (Philip W. Kuhl) Mar 87:40
 Chem Lab. (Lilyan Mastrolia) Feb 87:46
 Combining the Elements. (Eileen Byars) Apr 87:35
 Computer Physics Series. Vol. 10: Solar System—Astronomy. (Arthur J. Repak) Apr 87:34
 Creative Contraptions. (Arthur Lebofsky) Mar 87:41
 Dating and Geologic Time. (Terry Logue) Nov/Dec 86:24
 Earth Science Series: Plate Tectonics. (Robert Fetonti) Feb 87:46
 Earthquake Simulator. (Philip W. Kuhl) May 87:47
 Exploring Heat and Exploring Matter. (Lilyan Mastrolia) Mar 87:42
 Food Web. (Robert Fetonti) May 87:45
 Glidpath. (Kenneth W. Carlson) Jan 87:139
 Health Watch. (Arthur Lebofsky) May 87:45
 Heart Lab. (Eileen Byars) Nov/Dec 86:25
 Heat Energy. (Joseph Quiles) Oct 86:39
 Human Body. The. (Philip W. Kuhl) Feb 87:46
 Incredible Laboratory. The. (Lilyan Mastrolia) Nov/Dec 86:23
 Internal Journey. (Kathi and Larry Hovey) Nov/Dec 86:25
 Life in the Ocean. (Joseph Quiles) Sept 86:45
 Lunar Explorer: A Space Flight Simulator. (Larry and Kathi Hovey) Apr 87:33
 Machines, Work, and Energy. (Lilyan Mastrolia) Jan 87:140
 Making Circuits. (Arthur Lebofsky) Sept 86:45
 Milkmen Science Program: Circulation and Digestion. (Eileen Byars) Sept 86:45
 Mind Games: Biology. (Robert Fetonti) Apr 87:35
 Moon and Its Phases. The. (Robert Fetonti) Apr 87:35
 Mountains and Crustal Movement. (Terry Logue) Jan 87:139
 Nuclear Reactions. (Eileen Byars) Apr 87:34
 Oh, Deer! (Larry and Kathi Hovey) Jan 87:140
 Quickflash (Kenneth W. Carlson) Mar 87:41
 Satellite Down. (Alan Lipman) Nov/Dec 86:23
 Science Discovery Series: Light Lab. Temperature Lab. (Alan Lipman) Feb 87:47
 Science Toolkit: Master Module. (Terry Logue) Nov/Dec 86:23
 Science Toolkit: Module 1—Speed and Motion. (Arthur Lebofsky) Apr 87:33
 Scientific Reasoning Series: Measurement Process. Theory Formation. (Arthur J. Repak) Nov/Dec 86:25; Scientific Models: Butterflies and Bulbs. and Families. Rate. Reasoning: Crystals and Speed. Concept Development: Heat and Temperature, and Graphs. (Arthur J. Repak) May 87:46
 Sherlock Holmes and the Masters of Mystery. (Kenneth W. Carlson) Mar 87:40
 Simplest Living Things. The. (Lisa DeLong) Nov/Dec 86:26
 Sir Isaac Newton's Games. (Philip W. Kuhl) Sept 86:45
 Sky Lab. (Kathi and Larry Hovey) Nov/Dec 86:25
 Story Board. (Kenneth W. Carlson) May 87:47
 TellStar. (Larry and Kathi Hovey) May 87:47
 Temperature Experiments. (Philip W. Kuhl) Jan 87:140
 Volcanoes. (Terry Logue) May 87:46
 Weather. (Philip W. Kuhl) Oct 86:38
 Who Am I? (Alan Lipman) Oct 86:38
 Wilderness: A Survival Adventure. (Larry and Kathi Hovey) Mar 87:40
 Winnie the Pooh in the Hundred Acre Woods. (Larry and Kathi Hovey) Sept 86:44
 Writing Chemical Formulas. (Arthur Lebofsky) Oct 86:38

